



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

Climate targets and recent developments in climate-policy making in Germany



Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

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Unit KI I 1

Strategic Aspects of Climate Policy, Climate Action Plan

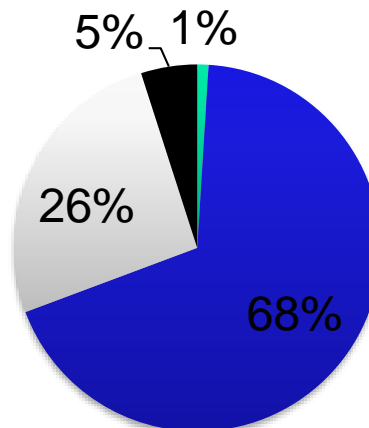
June 2015



Profile of Germany

- Federal Republic, 16 „Länder“
- Area: 357,340 km²
- Population: 81.1 million (´14)
- GDP 2,903.8 bn € (´14)
- GDP per capita: 35,805 €

- agriculture and forestry
- services
- manufacturing industries
- building



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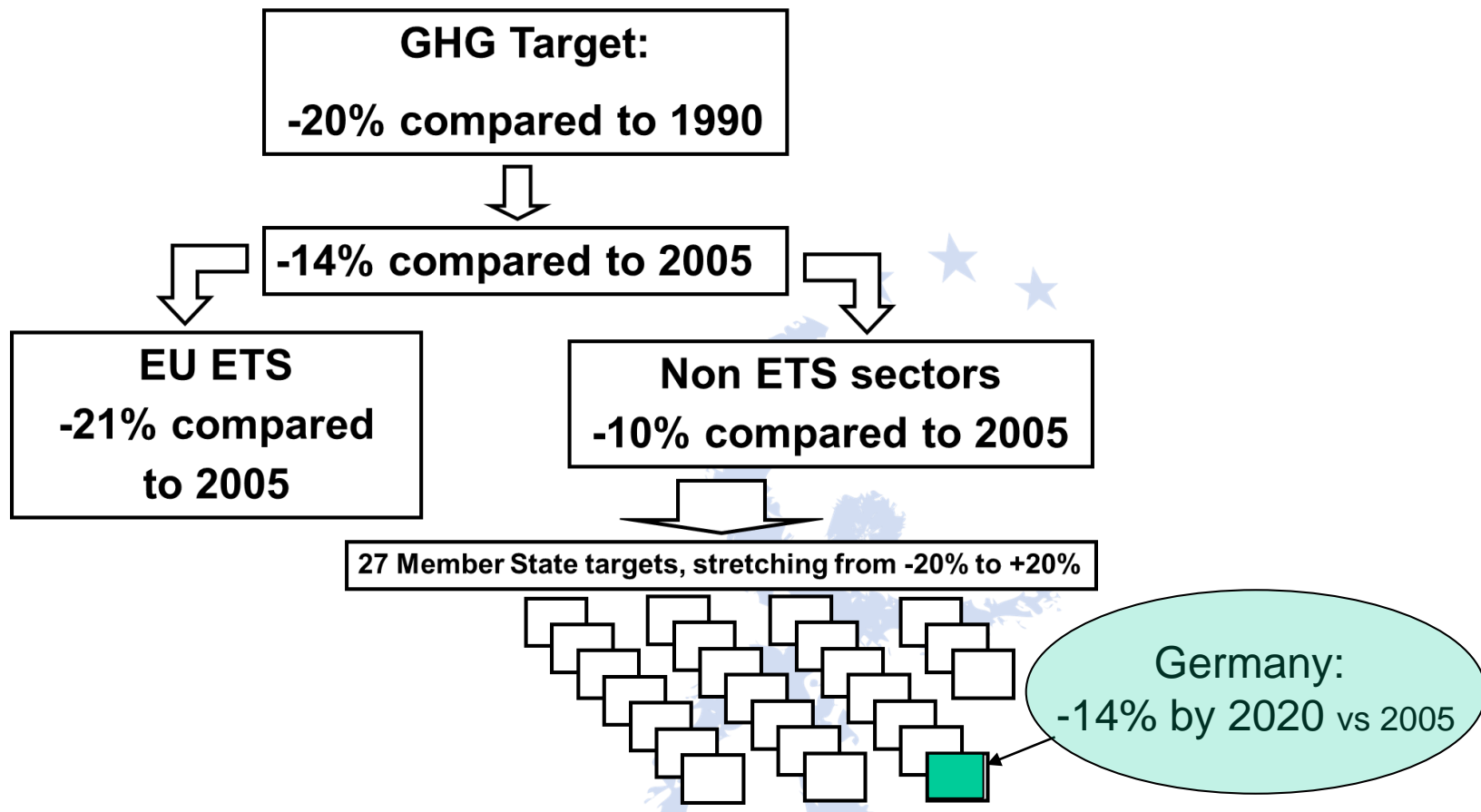
Targets of the energy transformation

		2020	2030	2040	2050	
Climate	Greenhouse gases (vs. 1990)	min. - 40%	min. - 55%	min. - 70%	min. - 80 to - 95%	
	Share of electricity	min. 35% (2025: 40-45%)	min. 50% (2035: 55-60%)	min. 65%	min. 80%	
Renewable energies	Overall share (Gross final energy consumption)	18%	30%	45%	60%	
Efficiency	Primary energy consumption	- 20%			- 50%	
	Electricity consumption	- 10%				- 25%
	Energy consumption in buildings	20% heat demand				80% primary energy

Targets adopted since 2010/11, see "Energy of the Future" progress report, BMWi, 2014



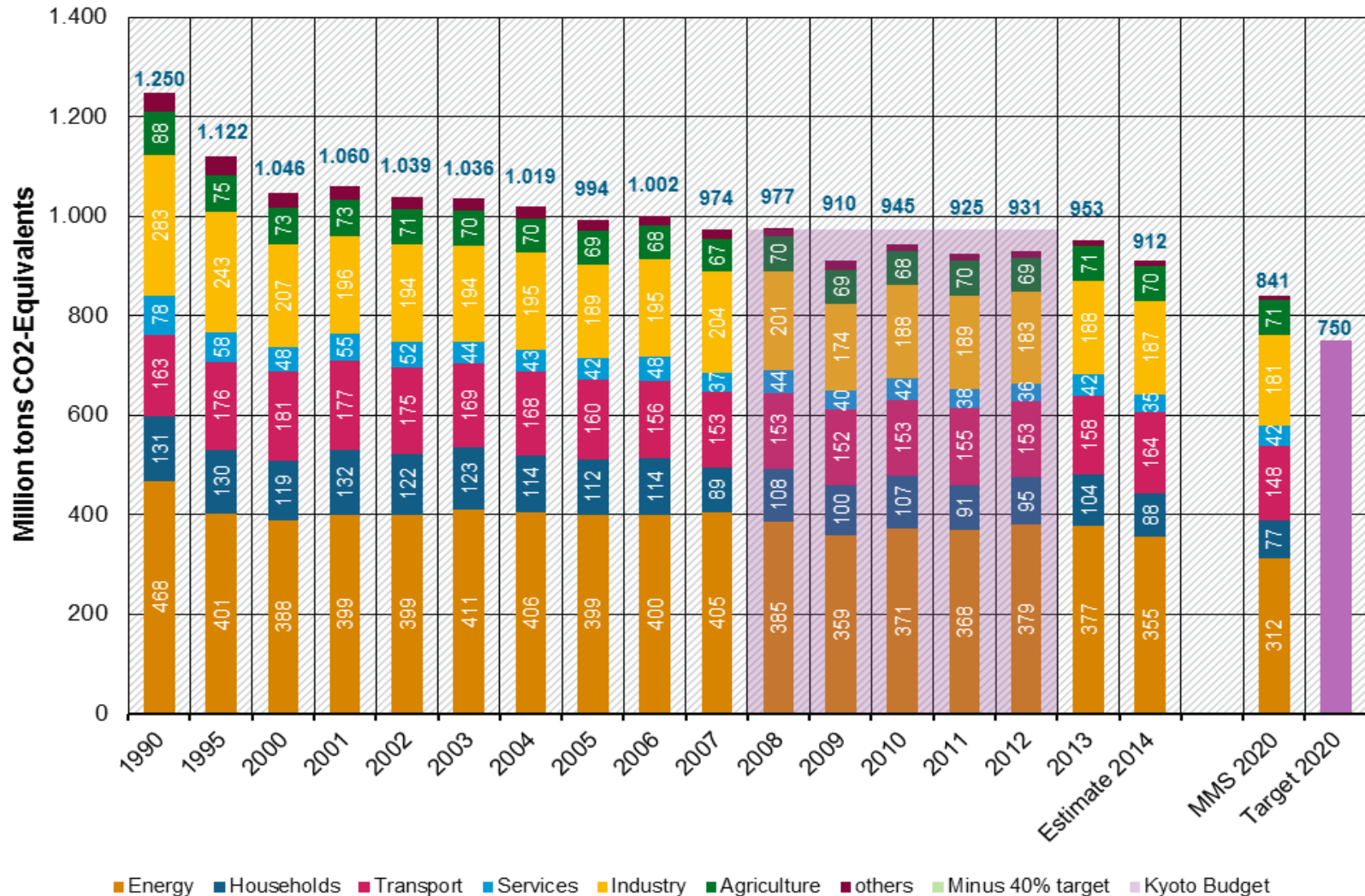
Targets of Germany under EU climate legislation for 2020



- For 2030, EU legislation will be based on EU INDC, contributions by Member States to be decided



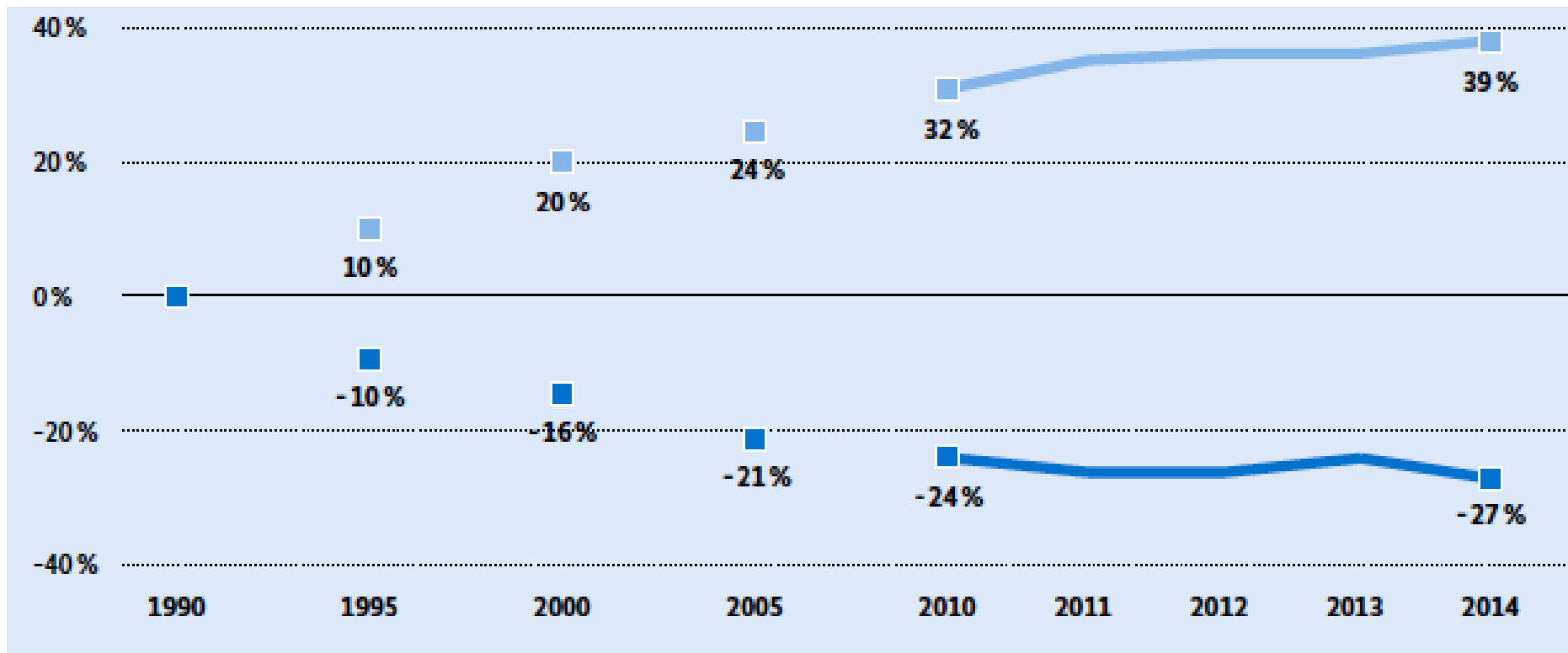
Trend in GHG emissions in Germany





Growing economy, declining emissions

■ Percentage change in CO₂ equivalents compared to 1990 ■ Percentage change in GDP compared to 1990



Source: <http://www.umweltbundesamt.de/presse/presseinformationen/treibhausgasausstoss-im-jahr-2013-erneut-um-12> and Working Group on Energy Balances (Arbeitsgemeinschaft Energiebilanzen): Selected efficiency indicators for Germany's energy balance

Figures for 2014 based on preliminary data



Climate Action Programme 2020

Target

- At least 40% reduction in GHG emissions by 2020 (vs 1990)

Gap

- With current policies: 33-34% GHG reduction by 2020 (uncertainty of +/- 1%)

CAP

- Climate Action Programme 2020 adopted in Dec 2014 in Cabinet





Key Policy Measures

Measures	Contribution to greenhouse gas emission reduction (million tonnes of CO₂ equivalent)
National Action Plan on Energy Efficiency (not including measures in the transport sector)	Approx. 25-30 million tonnes (including energy efficiency in buildings)
Climate-friendly building and housing strategy	Approx. 5.7-10 million tonnes (1.5 - 4.7 million tonnes of which are in addition to NAPE)
Measures in the transport sector	Approx. 7-10 million tonnes
Reduction in non-energy-related emissions in: industry, the commerce/trade/services sector and waste management	3-7.7 million tonnes
agriculture	3.6 million tonnes
Reform of the emissions trading scheme	Dependent on decisions at EU level on structure
Further measures, especially in the electricity sector	22 million tonnes
TOTAL	62-78 million tonnes

Note: domestic reduction target without recourse to LULUCF credits or international mechanisms



Climate Policy Plan 2050

- Climate Action Programme 2020 is important milestone for reaching 2050 climate target
- Building on CAP 2020 a **Climate Policy Plan 2050** will be elaborated until 2016
 - Climate Policy Plan focusses on **long-term climate targets** and **designing the transformation** of society
 - **Process** for elaboration of the Plan **outlined in climate action programme 2020**
 - Climate Policy Plan will be underpinned by a **broad dialogue and participation process** during 2015/16



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Thank you for your attention!



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